



LAKE COUNTY ENGINEER

Annual Report 2015



From the Desk of **JAMES R. GILLS, PE, PS**

In 2015, the Engineer's Office ran into a brick wall while attempting to get the Vrooman Road Bridge Project moving. During the initial course of the work and while the Army Corp of Engineers (USACE) closed out our permit, the Contractor presented a plan to make major changes to the landscape north of the Grand River.

The Contractor indicated these changes were required in order to complete the work. This resulted in the USACE stepping back and asking for additional information on the proposed changes. Information went back and forth between the USACE, the County and the Contractor through the end of the year. By the end of June, the Contractor was very limited on what he could cost-effectively construct.

Toward the end of 2015, the USACE had the information they needed to proceed with the 404 permit. The 401 permit was issued in October by the OEPA. We expect work to begin again soon.

During 2015, McMackin Road was widened from 20 to 24 feet with resurfacing and partial depth pavement repairs at a cost of \$683,118. The Blair Road Retaining wall, 1000' north of the Grand River, went through necessary repairs which were completed by D.B. Bentley, Inc.

Two bridges were worked on during 2015. Metcalf Road Bridge repair was a joint venture between County Forces and Easton Leasing. The County provided concrete foundations and rock channel repair with Easton sleeving the corrugated metal pipe with a new pipe. Our other bridge project was the Cashen Road Bridge Replacement using the Design Build process. This project was funded through CEO's LBR program at 80% Federal and 20% County funds.

2015 continued the recovery of local building projects. We had 13 commercial site plans approved and 134 residential plans go through approval. In addition, we received 48 plats of various types for review.

IN THIS ISSUE:

- Site Plans & Grade Inspections
- Pavement Markings
- Maintenance Activities
- Snow & Ice Operations
- Permits
- Sign Replacements
- Revenue & Expenditures
- Completed Projects & Grants
- Tax Map Department

2015

Site Plans & Grade Inspections

Commercial Site Plans Approved	13
Residential Site Plans Approved	134
Final Grade Inspections	292

Pavement Markings

Type	County	Township
Centerline	98.10 mi	0.18 mi
Edge Lines	173.64 mi	0
Stop Lines	102	2
Railroad Crossings	26	0
School Zones	16	0

Maintenance Activities

EQUIPMENT, LABOR & MATERIAL COSTS

**Berm & Ditch
Maintenance / Repair** \$355,772.35

Patching

Cold Patch:	\$ 199,483.05
Hot Patch Mix:	\$ 240,557.12

Guardrail \$ 80,856.95

Permits

RIGHT-OF-WAY USAGE

Concord Twp.	15
Leroy Twp.	5
Painesville Twp.	6
Perry Twp.	3
Madison Twp.	4
SR2	1
Total R/W Permits:	34

Overload Permits: 7

Floodplain Permits: 3

Sign Replacements

Type of Sign	Quantity
Stop Sign	19
Stop Ahead	17
Warning	16
Road Name	9
Other Regulatory	26

Reason	Quantity
Accident	27
Vandalism	8
Stolen	24
Normal Wear	55

Snow & Ice Operations

MATERIAL COSTS

Blackbrook

Treated Salt:	2289 Tons @ \$79.54/Ton =	\$ 182,067.06
Cinders:	1742 Tons @ \$16.75/Ton =	\$ 29,178.50

SR2

Treated Salt:	3063 Tons @ \$79.54/Ton =	\$243,631.02
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Madison

Cinders:	770 Tons @ \$16.75/Ton =	\$ 12,897.50
Treated Salt:	1200 tons @ \$79.54/Ton =	\$95,448.00

2015 Revenue & Expenditures

Motor Vehicle License	\$ 3,342,034.81
Permissive Tax	\$ 313,928.35
Gasoline Tax	\$ 2,356,712.91
Additional License Tax	\$ 1,701,137.53
\$5.00 License Tax	\$ 841,076.95
Refunds, Reimbursements, and Grants	\$ 1,613,908.48
Miscellaneous Revenue, Interest, and Court Fines	\$ 212,355.12
TOTAL REVENUE:	\$10,381,154.15

Payroll	\$3,978,573.03
Fringe Benefits	\$1,523,322.43
Fleet and Building Maintenance/Utilities	\$1,673,754.12
Other	\$82,684.22
Road & Bridge Materials	\$568,601.51
Capital Improvements, Contract Services, Equipment	\$3,022,207.91
TOTAL EXPENDITURES:	\$10,849,143.22



Cashen Road Bridge
Replacement over
Arcola Creek

2015 Completed Projects and Grants

McMackin Road Resurfacing

Total Cost: \$683,118.12
Contractor: Karvo Paving Co.
Location: US20 to 600' south of Chapel Road
Description: Widening of McMackin Road from 20' to 24'. Partial depth pavement repairs and resurfacing.

Blair Road Retaining Wall

Total Cost: \$48,700.00
Contractor: D.B. Bentley, Inc.
Location: 1000' north of the Grand River crossing
Description: Repair including steel rods, I-beams and plates along with cast in place trench anchors on an existing retaining wall on the south side of Blair Road in Perry Township.

Metcalf Road Bridge Repair

Final Cost: \$53,794.50(Easton) & \$15,745.03 (Force Account)
Contractor: Easton Leasing & Lake County Engineer's Office
Location: 1.1 Miles north of the Eagle Road intersection in Waite Hill
Description: Installation of cast concrete foundations and rock channel protection by County Forces. Repair of the corrugated metal pipe (cmp) arch by sleeving a new primary structural element within the existing culvert type bridge by the Contractor.

Cashen Road Bridge Replacement – Design Build

Final Cost: \$169,977.99
Contractor: Cuyahoga Bridge & Road, Inc.
Location: Crossing over Arcola Creek in Madison Township
Description: New bridge including 400' of attending roadway reconstruction.

Tax Map Department

Recorded Plats Reviewed

Condominiums	31	Survey Reviews	352
Subdivision Plats	13	Lot Splits	155
Vacation Plats	1	Existing Deed Reviews	1100
Lot Split Plats	2	Parcel Combinations	110
Minor Subdivisions	1		

Total Recorded Plats: 48